





ATM-7

Speaker Selector OWNER'S MANUAL



WARNING

- TO PREVENT FIRE OR SHOCK HAZARD, DO NOT USE THIS PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.
- TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. (POUR EVITER UN FEU OU UN CHOC ELECTRIQUE, NE PAS EXPOSER CET APPAREIL A LA PLUIE OU L'HUMIDITÉ.)
- TO PREVENT ELECTRICAL SHOCK, MATCH WIDE BLADE PLUG TO WIDE SLOT, FULLY INSERT.

 <p>The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of un-insulated dangerous voltage within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.</p>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">CAUTION</div> <div style="background-color: black; color: white; padding: 5px; margin-bottom: 5px;">RISK OF ELECTRIC SHOCK DO NOT OPEN</div> <p>Warning: To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.</p>	 <p>The exclamation point within the equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.</p>
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IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this appliance near water.
6. Clean only with dry cloth.
7. The equipment shall operate in open area.
8. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
9. Do not install near heat sources such as radiators, heat registers, stoves, or other appliance (including amplifiers) that produce heat.
10. Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
11. Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles, and at the point where they exit from the appliance.
12. Only use attachments or accessories specified by the manufacturer.
13. Unplug the appliance during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified personnel. Servicing is required when the appliance has been damaged in anyway, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the appliance, the appliance has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. Use only with the cart, stand, tripod bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



This appliance shall not be exposed to dripping or splashing water and no object filled with liquids such as vases shall be placed on appliance.

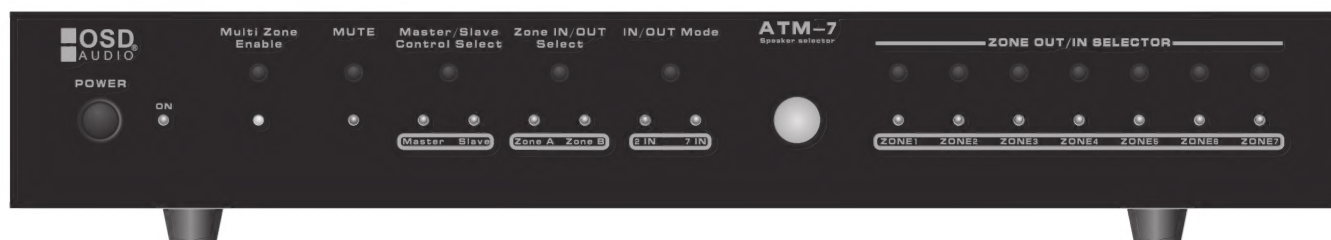
L'appareil ne doit pas être exposé aux écoulements ou aux éclaboussures et aucun objet ne contenant de liquide, tel qu'un vase, ne doit être placé sur l'objet.

Both main plug or main switch disconnect device instruction is accepted.

The mains switch is used as disconnect device and to completely disconnect the apparatus from mains supply, the mains switch must be switched to "OFF" position and the mains switch of apparatus should not be obstructed OR should be easily accessed during intended use. In addition, the location of mains switch on the apparatus and its function shall be described.

Le commutateur du secteur est utilisé pour déconnecter le système. Pour déconnecter complètement l'appareil de l'alimentation, le commutateur du secteur doit être positionné sur «OFF». Le commutateur du secteur ne doit pas être obstrué ou doit être facilement accessible pendant son utilisation.

ATM-7 SPEAKER SELECTOR



Congratulations on your purchasing of OSD ATM-7 Speaker Selector.

Please take a few moments to read the entire manual, and be sure to retain this document for future reference. Please read and observe all safety instructions detailed on each page.

Note: If any part of this product is damaged or missing, please call OSD AUDIO Return Department at (562) 697-2600

Using the controls/ Front Panel

Power



The POWER push button will manually switch the ATM-7 Speaker Selector ON or OFF. The blue LED beside the button indicate its power status. Whenever the amplifier's power switch is on, the LED will illuminate blue.

Multi Zone Enable



This push button allows to switch on or off the function of assigning more than one output when ATM-7 is in 2 IN Working Mode. This function can not be switched on in 7 IN Working Mode and will automatically switched off if this function is on when switching ATM-7 from 2 IN Working Mode to 7 IN Working Mode. The yellow LED below the button indicates the status of this function. Whenever this function is switched on, the LED will illuminate yellow.

MUTE



This push button allow to switch on or off the function of muting this unit. The red LED below the button indicates the status of this function. Whenever this function is switched on, the LED will illuminate red.

Master/Slave Control Select



This push button allows you select to control either Master Unit or Slave Unit when two ATM-7 are connected in parallel. The corresponding LED indicators will light on to show which unit can be controlled by remote control.

Zone IN/ OUT Select



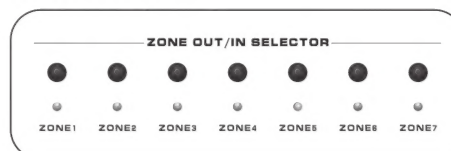
Select input signal(2 IN Mode) or output channels(7 IN Mode) between Zone A and Zone B. The corresponding LED indicators will light on to show which zone is working. Noted that these two zones can not be selected at the same time.

IN/OUT Mode Select

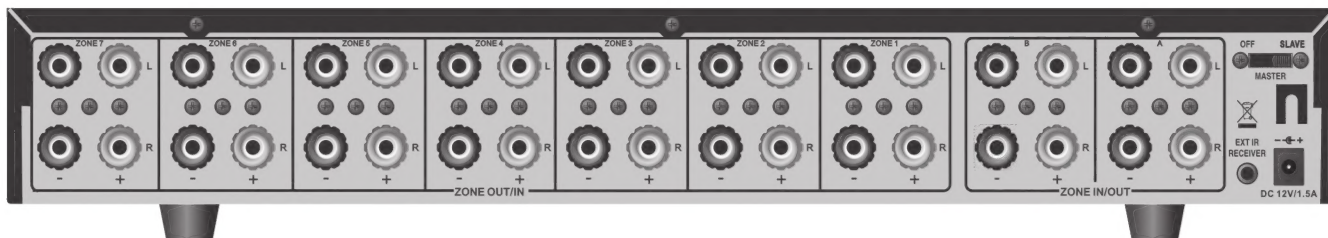


This push button is used to switch the input/output mode of ATM-7 between 2 IN/7 OUT mode and 7 IN/2 OUT mode. The corresponding LED indicators will light on to show which input/output mode is selected.

Zone OUT/IN Select



These push buttons are used to select the output channels(2 IN Mode) or input signals(7 IN Mode) among Zone 1 to Zone 7. The corresponding LED indicators will light on to show which zones are selected. Noted that only one zone can be selected when Multi Zone Enable function is off.



Using the controls/ Rear Panel

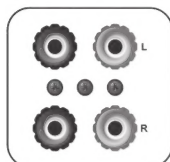
Address Select



This switch is used to define the unit as master unit or slave unit when two ATM-7 are connected in parallel.

If you will use only one ATM-7, select the switch to LEFT position, if you will use the unit as Master unit, select the switch to MIDDLE position, if you will use the unit as Slave unit, select the switch to RIGHT position.

Input/Output Connectors



The ATM-7 has totally nine groups of multi-way binding post connectors. Two groups are labeled as A and B, the other seven groups are labeled as Zone 1 to Zone 7. These are red(positive) and black(negative) screw posts, terminals are provided for "L" and "R" channels.

In 2 IN/7 OUT mode, Zone A and Zone B are used for connecting amplified signals from amplifiers, Zone 1 to Zone 7 are used for connecting speaker pairs.

In 7 IN/2 OUT mode, Zone 1 to Zone 7 are used for connecting amplified signals from amplifiers, Zone A and Zone B are used for connecting speaker pairs.



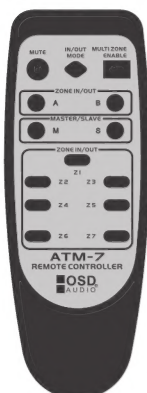
Note: This Speaker Selector could handle maximum total 400W for both input and output. Please verify that both your input and output are not higher than that power to avoid possible damage!

EXT IR Receiver Jack



This connector is used to insert extend IR Receiver to receive IR control signal where without the unit or out of IR control range.

Using the controls/ Remote Control



MUTE: It allows you to mute the unit, same function as MUTE on front panel.

Multi Zone Enable: This button allows you to turn on/turn off the Multi Zone Select function, same function as Multi Zone Enable on front panel.

ZONE IN/OUT: These buttons allow you to select either ZONE A or ZONE B is working, same function as Zone IN/OUT Selector on front panel.

Master/Slave: These buttons allow you select either Master Unit or Slave Unit to be controlled when two ATM-7 are connected in parallel, same function as Master/Slave Control Selector on front panel.

ZONE OUT/IN: These buttons allow you to select which one(s) is(are) working, same function as ZONE OUT/IN SELECTOR on front panel.

IN/OUT Mode: This button allows to select the input/output mode between 2 in/7out and 7 in/2 out, same function as IN/OUT Mode on front panel.

Limited Warranty

OSD AUDIO: warrants its amplifier products against defects in materials and workmanship for a limited period of time. For a period of two years from date of original purchase, we will repair or replace the product, at our option, without charge for parts and labor.

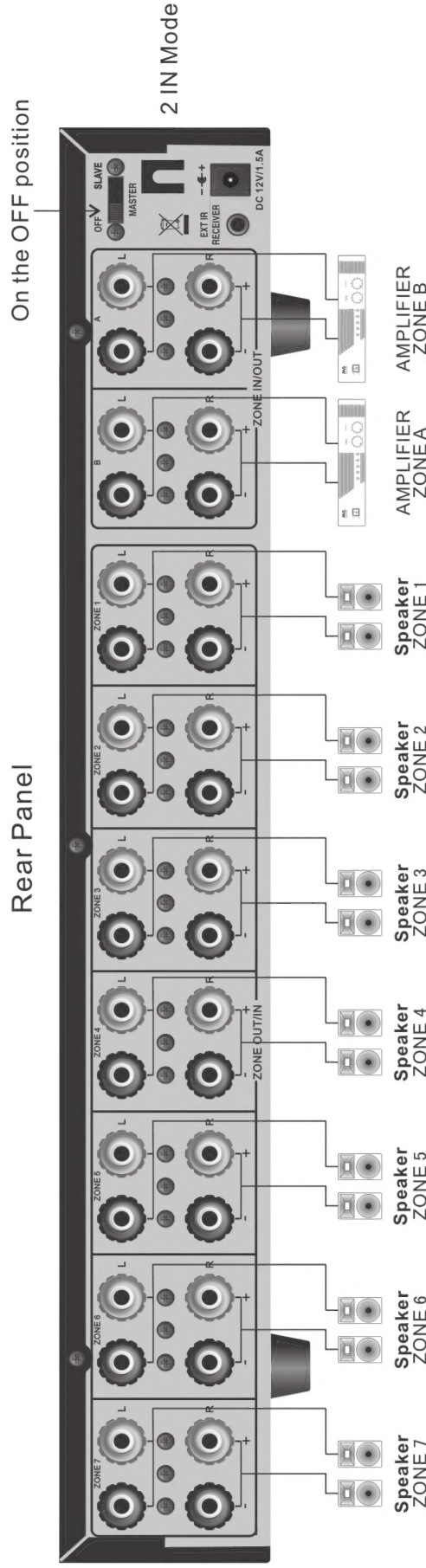
This limited warranty applies only to purchases from authorized OSD AUDIO retailers. This limited warranty is extended only to the original purchaser and is valid only to customers in USA.

Customers are required to provide a copy of the original sales invoice from an authorized OSD AUDIO dealer when making a claim against this limited warranty. This limited warranty only covers failures due to defects in materials or workmanship that occur during normal use. It does not cover failures resulting from accident, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, modification, service by anyone other than OSD AUDIO or damage that is attributable to acts of god. It does not cover costs or transportation to OSD AUDIO or damage in transit. The customer should return their defective product, freight prepaid and insured, to OSD AUDIO, only after receiving a Returned Merchandise Authorization (RMA) number.

This warranty will become void if the serial number identification has been wholly or partially removed, altered or erased. Repair or replacement under the terms of this warranty does not extend the terms of this warranty. Should a product prove to be defective in workmanship or material, the customer's sole remedies will be repair or replacement as provided under the terms of this warranty. Under no circumstances shall OSD AUDIO be liable for loss or damage, direct, consequential or incidental, arising out of the use of or inability to use the product.

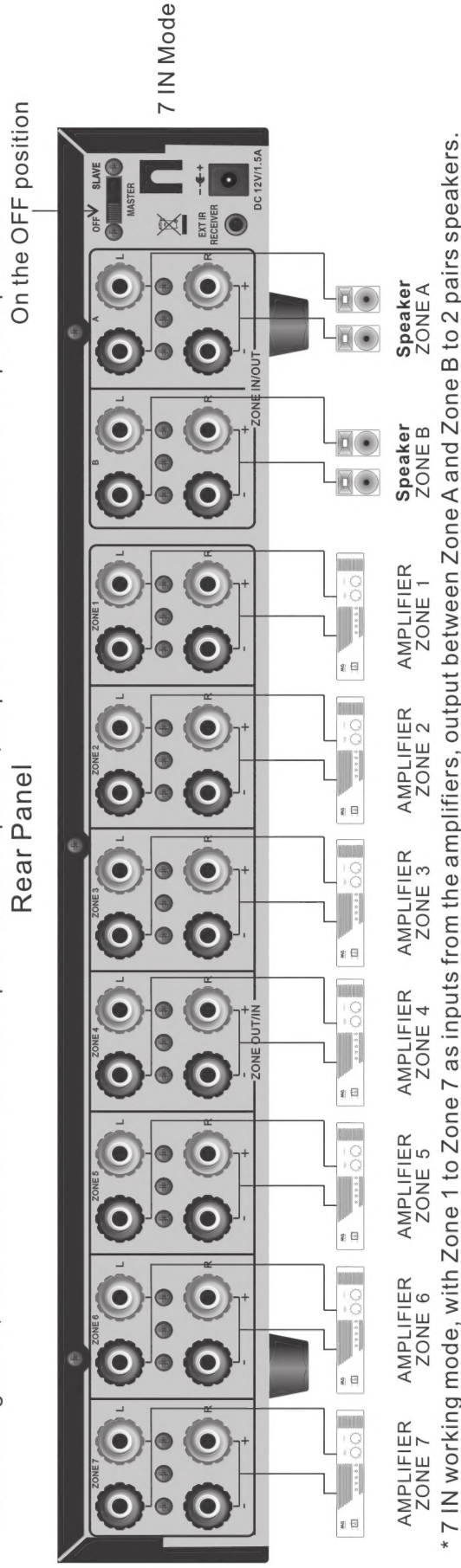
OPERATING MODE SCHEMATIC DIAGRAM

Rear Panel



* 2 IN working mode, with Zone A and Zone B as inputs from 2 amplifiers, output from Zone 1 to Zone 7 to 7 pairs speakers.

Rear Panel



* 7 IN working mode, with Zone 1 to Zone 7 as inputs from the amplifiers, output between Zone A and Zone B to 2 pairs speakers.

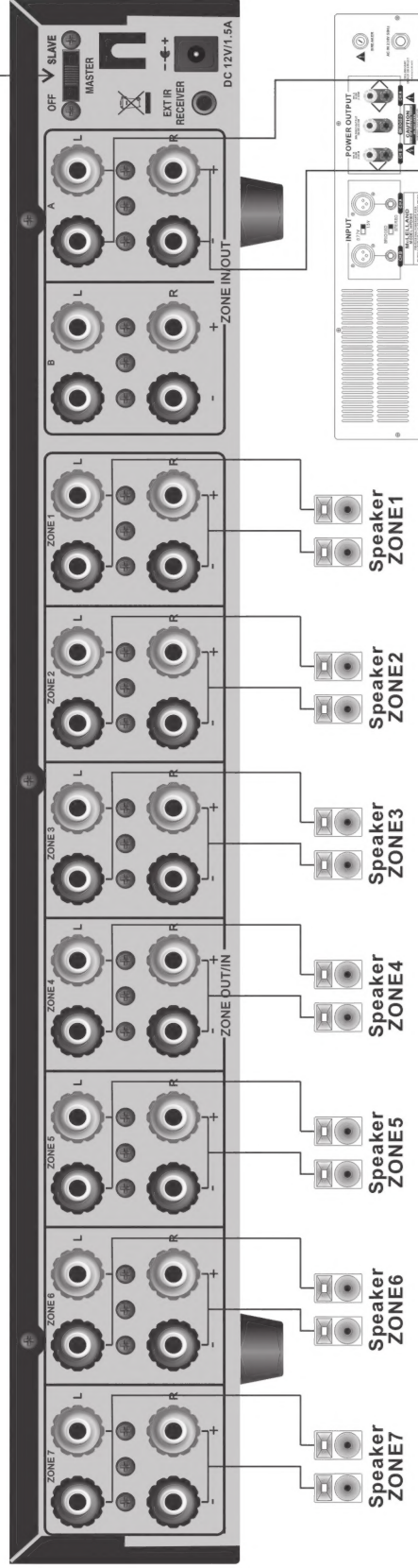
* Push the Multi Zone Enable button on the front panel or on remote control to switch on/off Multi Zone Select function. Note that this function only can be switched on in 2 IN Working Mode. When the function is switched on, you can select more than one output(2 IN mode) among Zone 1 to Zone 7.

EXPAND PARALLEL CONNECTION

Rear Panel

Set the switch on the MASTER position

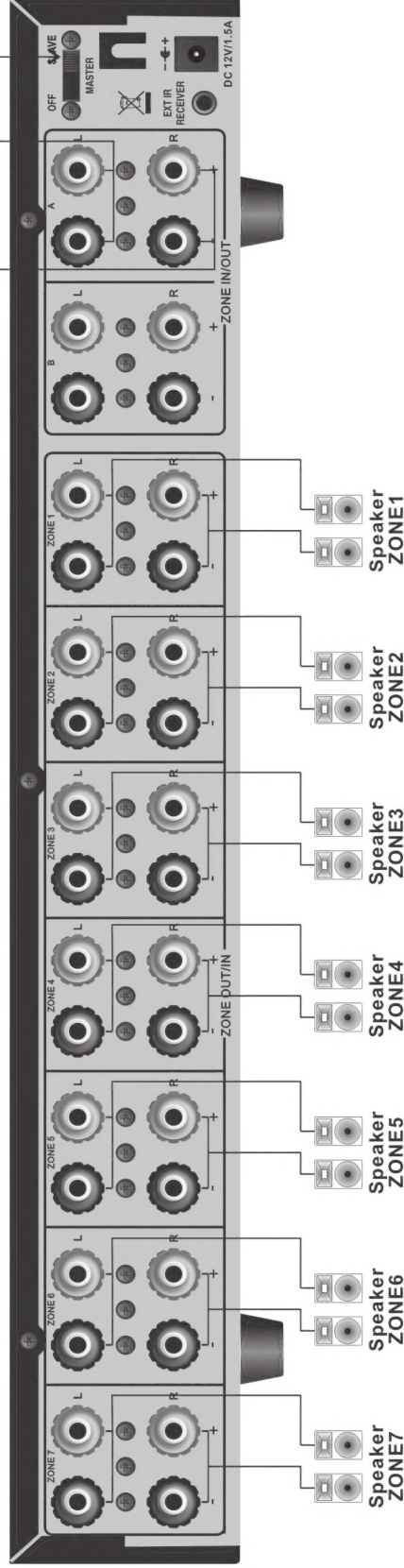
UNIT 1
MASTER unit



Set the switch on the SLAVE position

UNIT 2
SLAVE unit

Rear Panel



Expandability is a key feature of the OSD ATM-7. It enables connection of two units in parallel to expand the output up to 14 zones when 7 zones outputs cannot meet the requirement.

Please refer to "Expand Parallel Connection Diagram": Two units of ATM-7 are connected and share a single power amplifier source connected by a Y cable (not included). You can connect another amplifier source to the system in the identical way.

Warning: The parallel impedance should not be less than the connected power amplifier's rated impedance.



Note: when OSD ATM-7 switch on the Multi Zone Enable function and the outputs are mixed together, the impedance will change, same as parallel connected speakers. Please verify your amplifiers could handle such lower impedance to avoid possible damage!

If you have any questions regarding how to set this up, please call OSD AUDIO support at (562) 697-2600.

Front Panel Features:

- * Black Aluminum Faceplate
- * Power ON/OFF switch with Blue LED Indicator
- * Mute switch with Red LED Indicator
- * Multi Zone Enable switch with Yellow LED Indicator
- * IN/OUT Mode switch between 2 IN and 7 IN with 2 Green LED Indicators
- * Master/Slave Control Selector with 2 Green LED Indicators
- * Zone In/Out Selector between Zone A and Zone B with 2 Green LED Indicators
- * ZONE OUT/IN SELECTOR from Zone 1 to Zone 7 with 7 Green LED Indicators
- * IR Receiver

Back Panel Features:

- * External IR Receiver 3.5mm socket
- * DC 12V 1.5A connector
- * Zone A and Zone B IN/OUT with Binding Post Connectors
- * Zone 1 to Zone 7 OUT/IN with Binding Post Connectors
- * Master/Slave switch

Technical Specifications:

- * Last Call Back-up memory function
- * AC Voltage: AC 100-240V / DC Voltage 12V/1.5A
- * Input/Output Max. Power Handling: 400 W
- * Remote distance: 10 meters
- * Power consumption: 15W

Infrared Emitter Information and Installation Guide:

- * With 5 meters cable length.
- * With 3.5mm mono standard plug.
- * With self-adhesive tape for quick and easy fixing on any hard, clean & dry surface.

DIMENSION:

16 1/2" x 7 7/8" x 3", 1.5U Style

WEIGHT:

7 lbs